



Section P

HAMMER

PROJECT MANAGERS

P. W. KRUGER, RL
(509) 372-4005

K.A. McGinnis, FH
(509) 376-9403

INTRODUCTION

The HAMMER Project consists of Project Baseline Summary (PBS) RL-SS05, Work Breakdown Structure (WBS) 3.4.5.

NOTE: Unless otherwise noted, all information contained herein is as of the end of September 2002.

Fiscal-year-to-date (FYTD) milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones.

TOP 5 ACCOMPLISHMENTS FOR FY 2002

For its sincere commitment to worker health and safety, the U.S. Department of Energy-Headquarters (DOE-HQ) Voluntary Protection Program (VPP) evaluation team officially awarded Star Status to the Volpentest HAMMER & Hanford Training organization September 19, 2002. This award is only given to select organizations with a covenant for safety and is significant because of HAMMER & Hanford Training's health and safety training mission and its partnership with the Occupational Safety and Health Administration (OSHA). HAMMER & Hanford Training is the first training organization in the nation to receive this prestigious award. Among other things, during their debrief at HAMMER, evaluators said HAMMER & Hanford Training staff watched over each other and its instructor/student population like members of a family, exhibiting unmistakable pride in being a safe facility. HAMMER Star Status was officially recognized September 26, 2002.

Volpentest HAMMER's first priority is to deliver hands-on training to the Hanford workforce. One thousand nine hundred sixty classes were conducted at the Volpentest HAMMER facility, for a total of 31,363 Hanford site student days. Student satisfaction ratings remained high during FY 02. Average satisfaction with the facility, instructors and course content was between 4.5 and 4.7 out of 5.

HAMMER facility usage continued strong growth in FY 2002. The FY 2002 classroom usage is 75 percent, an increase of 10 percent over the FY 2001 usage of 68 percent. In addition the total student days have increased 11 percent, increasing from 40,522 in FY 2001 to 45,003 in FY 2002.

HAMMER facilitated or brokered 293 training sessions supporting DOE, FH, Fluor Corporate, Pacific Northwest National Laboratory (PNNL), CH2M Hill Hanford Group, Inc. (CHG), Bechtel Hanford, Inc. (BHI), SNF, and PFP. In addition a total of 79 sessions were provided to support multi-contractors with common training topics of interest, and 91 classes for Hanford Site "just in time" special needs training classes were conducted at HAMMER.

HAMMER successfully conducted several mock-ups and simulations in support of FH, FFS, PNNL, CHG, and BHI including; a Pit Viper Simulation, Aqua Blaster Mock-up, Leak Detection System Demonstration, Breaker Testing Mock-up, Predictive Maintenance Training Mock-up, and Thermo Man demonstration performed at HAMMER. Several benefits were realized as a result of training mock-ups, including improving the necessary skills of employees, and reducing the potential for serious accidents. To augment future prop use, a Mock-up Committee was formed. HAMMER will continue to work with Hanford project engineers to develop new venues for mock-ups at HAMMER.

ADDITIONAL FY 2002 ACCOMPLISHMENTS

HAMMER received two new burn props in January 2002. The Vehicle Burn Prop creates conditions encountered during control and suppression of automobile fires. The Dumpster Burn Prop is used to train in the safe approach and extinguishing of typical commercial dumpster fires.

The Basic Medic First Aid Initial and Refresher classes held at HAMMER continue to be highly attended with good student evaluations. From October 1, 2001 through September 20, 2002 47 Basic Medic First Aid Initial classes were conducted for a total of 490 student days, and 91 Basic Medic First Aid Refresher classes were conducted for a total of 962 student days.

D2000 Safety Solutions staged several hands-on classes for Hanford workers and others this fiscal year at HAMMER, often awarding Continuing Education Units for successful course completion:

- In August and May 2002 a Trenching and Excavation for Competent Persons class
- In June 2002 a Fall Arrest Systems class
- Also in June 2002, an Advanced Confined Space Train-the-Trainer
- In April 2002 an Occupational Safety & Health Standards for the Construction Industry class

October 25-26, 2001 the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) held its Fourth Annual Archaeological Resources Protection Act Criminal Investigation class at HAMMER. The 34 participants came from regions throughout the states of Washington and Oregon, many having responsibilities on the Hanford Site. Besides learning about the law, tools used by looters, evidence gathering techniques, and the importance of preserving cultural sites for future generations, participants investigated a simulated looted site at the HAMMER Cultural Test Bed and reported their findings to a county prosecutor and an assistant U. S. District Attorney. According to the CTUIR Cultural Resources staff archeologist, this class has resulted in the arrests of two groups of looters and a significant reduction in looting events along the Columbia River from White Bluffs to John Day Dam.

The Computer Based Training room was utilized 120 of 170 days for a 71 percent use rate. Training was provided for DOE, FH, CHG, PNNL, EnergX, Hanford Environmental Health Foundation (HEHF), Bechtel National, Incorporated (BNI), Duratek, Project Enhancement Corporation (PEC), and the Richland Fire Department.

The HAMMER non-Hanford student day total surpassed 25 percent of HAMMER's total student days. At the end of September 2002, non-Hanford students comprised 30 percent of the HAMMER student day population. Additionally HAMMER had 14 new external customers in FY 2002 – a 15 percent growth over the FY 2001 Return Customer rate. In addition new training included: five sessions of a Second Line of Defense class, sponsored by DOE and directed by PNNL, were held for 118 domestic border security personnel. Five sessions of a new Weapons of Mass Destruction class, sponsored by the U.S. Department of State and directed by PNNL, were held for 122 international first responders.

September accomplishments include: conducting 136 classes in support of Hanford Site training for a total of 1,972 Hanford site student days, providing support to a PNNL Second Line of Defense (U.S. Customs) class, and to the Washington Army National Guard for a 4-day hands-on training experience focused on bio-terrorism.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Nothing to report at this time.

UPCOMING ACTIVITIES

Nothing to report at this time.

MILESTONE ACHIEVEMENT

Nothing to report at this time.

PERFORMANCE OBJECTIVES

Nothing to report at this time.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

		FYTD							
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	BAC
PBS SS05	Hammer	\$ 5,160	\$ 5,183	\$ 4,465	\$ 23	0%	\$ 718	14%	\$ 5,160
WBS 3.4.5.1									
Total		\$ 5,160	\$ 5,183	\$ 4,465	\$ 23	0%	\$ 718	14%	\$ 5,160

FY TO DATE SCHEDULE / COST PERFORMANCE

The favorable schedule variance is within the established thresholds.

The favorable cost variance of 14 percent is mainly due to Capital Equipment items costing less than planned.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, FYTD Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (+ \$0.02M)

HAMMER — 3.4.5.1/SS05

Description and Cause: The variance is within established thresholds.

Impact: None.

Corrective Action: None.

Cost Variance Analysis: (+ \$0.7M)

HAMMER — 3.4.5.1/SS05

Description and Cause: The favorable variance is mainly due to Capital Equipment items consisting of a breathing air trailer and two thermal imaging cameras costing less than planned. In addition cost efficiencies, labor variances due to unfilled staffing positions and staffing reductions, credit pass backs and FH Fee under runs contributed to the favorable variance.

Impact: None. The cost savings have been factored into the fiscal year spending forecast.

Corrective Action: None.

FUNDS MANAGEMENT FYTD FUNDS VS ACTUALS (\$000)

	FH Funds Reallocation	September Actuals	Variance
3.4.5 HAMMER			
SS05			
Project Completion - Operating	\$ 5,496	\$ 4,465	\$ 1,031
- Line Item			0
Total	\$ 5,496	\$ 4,465	\$ 1,031

[Status through September 2002]

ISSUES

Technical, Regulatory, External, and DOE Issues and DOE Requests

Issue: Nothing to report at this time.

Impacts: None.

Corrective Action: None at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

Nothing to report at this time.